

Title (en)  
VACUUM CLEANER

Title (de)  
STAUBSAUGER

Title (fr)  
ASPIRATEUR

Publication  
**EP 3424392 B1 20210630 (EN)**

Application  
**EP 17760269 A 20170227**

Priority

- KR 20160024022 A 20160229
- KR 20160062452 A 20160520
- KR 20160108672 A 20160825
- KR 20160184117 A 20161230
- KR 2017002151 W 20170227

Abstract (en)  
[origin: EP3424392A1] Provided is a vacuum cleaner including a cleaner body; a suction hose connected to the cleaner body and configured to suction dust; a moving wheel installed at the cleaner body; a main motor provided inside the cleaner body and configured to generate a suction force for suctioning the dust; a base frame provided inside the cleaner body and configured to form a space in which the main motor is installed; a battery unit provided inside the base frame and configured to supply electric power; a rear opening formed at a rear surface of the cleaner body and opened for insert the battery unit into the vacuum cleaner; a rear cover configured to open and close the rear opening; and a battery guide formed at both side surfaces of the base frame to extend toward the rear opening and configured to guide insertion and withdrawal of the battery unit.

IPC 8 full level  
**A47L 9/28** (2006.01); **A47L 9/12** (2006.01); **B25J 9/00** (2006.01); **B25J 9/16** (2006.01); **B25J 11/00** (2006.01); **B25J 19/00** (2006.01); **B25J 19/02** (2006.01); **G05D 1/02** (2020.01)

CPC (source: EP RU US)  
**A47L 5/362** (2013.01 - EP US); **A47L 9/122** (2013.01 - EP); **A47L 9/22** (2013.01 - EP US); **A47L 9/2878** (2013.01 - RU); **A47L 9/2884** (2013.01 - EP US); **A47L 9/2889** (2013.01 - EP)

Cited by  
EP4164458A4

Designated contracting state (EPC)  
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)  
**EP 3424392 A1 20190109**; **EP 3424392 A4 20191120**; **EP 3424392 B1 20210630**; AU 2017227410 A1 20180816; AU 2017227410 B2 20191031; CN 108697291 A 20181023; CN 108697291 B 20201215; JP 2019504713 A 20190221; JP 6776361 B2 20201028; RU 2694917 C1 20190718

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**EP 17760269 A 20170227**; AU 2017227410 A 20170227; CN 201780013325 A 20170227; JP 2018542270 A 20170227; RU 2018134178 A 20170227